

IsoCoat URN 5142

IsoCoat URN 5142 is a 100% solids, fast set, 2 component elastomeric polyurethane coating. This seamless system exhibits extraordinary performance over both rigid and flexible substrates. It creates an extremely tough, chemical and abuse resistant finish for a wide range of applications.

APPLICATIONS

- Foam Strengthening
- Marine Equipment
- Pipe coatings (interior/exterior)
- Tank Linings
- Theming
- Truck beds & steel coating

PRODUCT ADVANTAGES

- 1:1 System by volume
- Fast reacting
- Sprayable

*Values given are not intended to be used in specific preparation

Component Properties

Color - ISO	Light Yellow
-------------	--------------

Color - POL	Varies
-------------	--------

Specific Gravity - 74°F, ISO	1.06 - 1.29
------------------------------	-------------

Specific Gravity - 74°F, POL	1.04 - 1.06
------------------------------	-------------

Viscosity - ASTM D-2196 - 74°F, ISO	250 - 315 cps
-------------------------------------	---------------

Viscosity - ASTM D-2196 - 74°F, POL	530 - 730 cps
-------------------------------------	---------------

Reactivity Profile

Ratio by Weight - ISO:POL	1.1:1
---------------------------	-------

Ratio by Volume - ISO:POL	1:1
---------------------------	-----

Gel Time	13 - 18 Seconds
----------	-----------------

Sprayed Gel Time	10 Seconds
------------------	------------

Tack Free Time	16 - 22 Seconds
----------------	-----------------

Typical Physical Properties

Hardness - ASTM D2240 - Shore A	93 - 97 Shore A
---------------------------------	-----------------

Tear Strength - ASTM D624, Die C	220 pli
----------------------------------	---------

Tensile Strength - ASTM D412	1350 psi
------------------------------	----------

Elongation - ASTM D412	150 %
------------------------	-------

RECOMMENDED HANDLING INSTRUCTIONS

Always mix/roll POL side prior to use to ensure a homogenous product.

IsoCoat URN 5142 is a very fast set polymeric material designed to be spray applied from high pressure plural component heated equipment. It cannot be hand mixed for application. Typical equipment for application includes: Graco E-30, E-XP, H-XP, H-20/35, H-40 or equivalent sprayed through a Fusion MP or AP, GX-7, Probler P-2 or equivalent gun. Minimum recommended settings are 1800 psi for pressure and 145° F for all temperatures. Please contact Isotec® for any other machine or application questions.

STORAGE

Protect ISO and POL side from moisture. If the ISO side material is exposed to moisture, including moisture from the air, it will release CO² gas. If placed in a sealed container, this gas can cause a dangerous build up of pressure potentially resulting in injury or death. If the POL side is exposed to excess moisture and then applied it may cause weak or foamed material to be applied.

SAFETY

- Use only in well-ventilated areas.
- Wear chemically resistant rubber gloves, safety glasses, and an apron.
- Avoid prolonged or repeated contact with skin.
- In case of skin contact, wipe affected area with isopropyl alcohol, followed by soap and water.
- In case of eye contact, flush eyes with water for 15 minutes and consult a physician.
- If swallowed or comes into contact with eyes, seek medical attention immediately.
- Refer to the product SDS for all relevant safety information.

Date Modified 8/27/2020

Since Seller exercises no control over Buyers application or use of the product manufactured by Seller ("product") and since materials used with the product may vary, it is understood that:

- THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OR MERCHANTABILITY OR FOR ANY PARTICULAR PURPOSE. While all data presented in Seller's technical data sheet is based on the best information available to Seller and believed correct, such data is not to be construed as a warranty that the product will conform to such specifications. Such technical data sheets are subject to change without notice. Reported laboratory test results of fire redundancy in no way relates to the actual performance under fire conditions. Since all urethane systems are organic, they will burn.
- Reported laboratory test results of the color stability in no way relates to the actual performance upon exposure to light sources. Since all aromatic urethanes experience color degradation upon ultraviolet light exposure, Seller shall not be liable for any damages resulting from ultraviolet light color degradation of any aromatic urethane systems manufactured or sold by Seller.
- The liability of the Seller shall not exceed the purchase price and the Buyer shall not be entitled to nor the Seller be liable for any consequential, incidental, indirect or special damages resulting in any manner from the furnishing of the product.

www.isotecintl.com

"The Chemistry Behind Performance"®

(800) 234-6300
